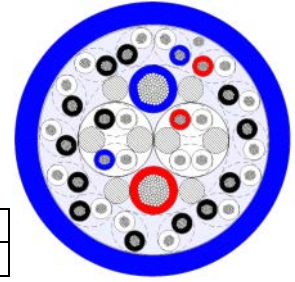


CRE19698



| Issue | Date | Approved | Note |
|-------|----------|----------|-----------------|
| 1 | 28/01/19 | PM | Initial release |

DESCRIPTION

Power / Data composite for use in subsea applications

Product Details (Insulated Cores)

| Component Description | Qty | Type | Max DCR @ 20oC [Ω/Km] | Weight [Kgs/Km] | Nominal Diameter [mm] |
|---------------------------|-----|-------------|--------------------------|--------------------|--------------------------|
| AWG10 Power Cores | 2 | 84/0.3mm TC | 3.3 | 64.5 | 4.2 |
| 0.75mm ² Cores | 36 | 24/0.2mm TC | 7.98 | 9.39 | 2.1 |

CONSTRUCTION

AWG10 Power Cores

Colours Blue , Red
 Insulation XLPE
 Insulation Diameter 4.20mm Nominal

0.75mm² TP's (18 off)

Colours White / Blue x 2, White / Red x 2, White / Black x 14
 Insulation HDPE
 Insulation Diameter 2.10mm Nominal

Cable Assembly

Lay-up Layer 1 2 x AWG Power cabled with 2 x 2 x 0.75mm² TP with fillers as required
 Lay-up Layer 2 10 x 2 x 0.75 TP around Layer 1 with 0.75 Drainwire
 Binder Aluminium / Polyester Tape >100% coverage
 Diameter 22.40 mm
 Jacket HF Polyurethane 85 Shore A Hardness
 Colour Blue [RAL5015] or other colour as required
 Radial Wall Thickness 1.8mm nominal
 Diameter 26.9mm +/-0.5mm
 Print Black ink jet print as required

CABLE CHARACTERISTICS

Operating Temperature -40°C to +80°C
 Cable Weight in Air 733 Kgs/Km
 Cable Weight in Sea Water 160 Kgs/Km
 Bend Radius Static 7X Diameter
 Bend Radius Dynamic 15X Diameter